

Title (en)

PROCESS FOR PRODUCING A SMOOTH AND GLOSSY PAPER WEB, AND CALANDER THEREFOR

Publication

EP 0341457 A3 19900117 (DE)

Application

EP 89106932 A 19890418

Priority

DE 3815463 A 19880506

Abstract (en)

[origin: EP0341457A2] The calender arrangement (100) comprises two pairs of rollers (10, 20) which the paper web (1) runs through successively. The pairs of rollers (10, 20) each comprise a highly heated hard roller (2) and a soft roller (3). The nips (9, 19) thus formed are each preceded by a cooling device (5, 13) in order to limit too high a heating of the interior of the paper web (1) and the partial internal plasticisation associated with this.

IPC 1-7

D21G 1/00

IPC 8 full level

D06C 15/02 (2006.01); **D21G 1/00** (2006.01)

CPC (source: EP US)

D21G 1/0093 (2013.01 - EP US)

Citation (search report)

- [X] DE 3542342 A1 19860605 - WAERTSILAE OY AB [FI]
- [X] FR 2325764 A1 19770422 - VOITH GMBH [DE]
- [A] DE 1804515 A1 19700521 - KLEINWEFERS SOEHNE J
- [A] US 3841963 A 19741015 - SCHLUNKE J
- [AP] EP 0296044 A2 19881221 - MEASUREX CORP [US]
- [A] DE 3600033 A1 19860710 - WAERTSILAE OY AB [FI]

Cited by

US5387782A; EP0529385A1; US5318670A; WO9203614A1; EP0957202B1

Designated contracting state (EPC)

CH FR GB IT LI SE

DOCDB simple family (publication)

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